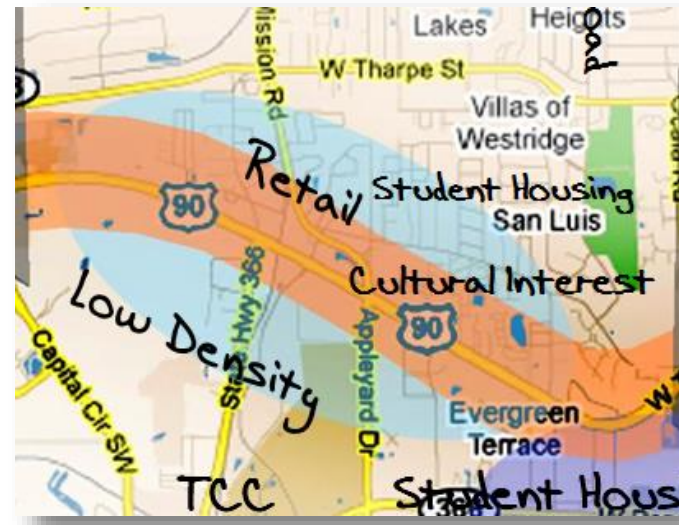# *ETDM Programming Screen*

Project Development and Environment Process Manual Training

Presented by:
Yvonne Arens
Xavier Pagan
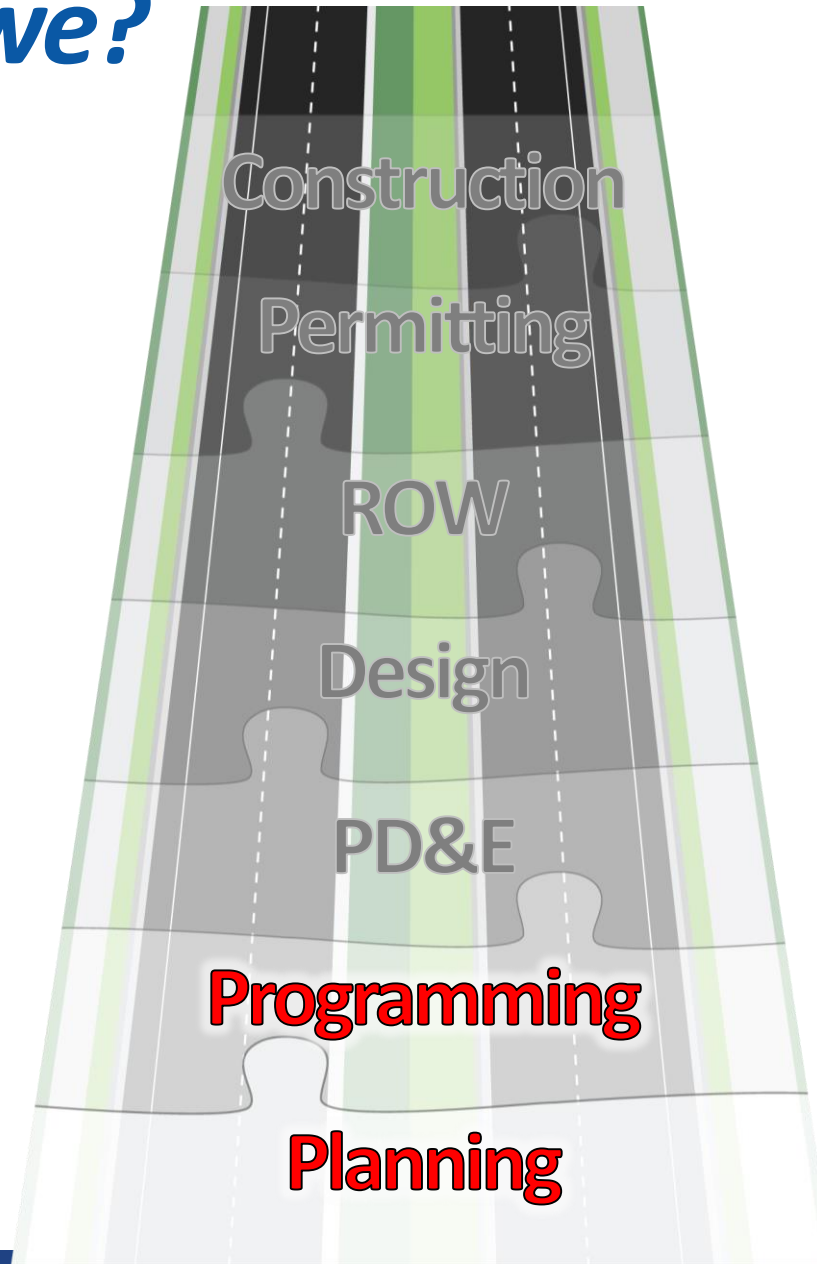Pete McGilvray
June 2014

FDOT

Florida Department of Transportation
Environmental Management Office
Environmental Management
— School 2014 —

Outline

- **Programming Process Overview**
- **Prioritization Process**
- **Project Identification and Prioritization Process**
- **Purpose and Need Development/Refinement**
- **ACE Process**
- **Programming Screening Event**
- **Actions**
- **Advancing to PD&E**

Where are we?

Construction

Permitting

ROW

Design

PD&E

Programming

Planning

MPO Priority Process

* The MPO's List of Priority Projects (LOPP)

Prioritization Process
Project Selection Process

◆ **TMA MPO Areas (population > 200,000):**

- **MPO selects all Title 23 and FTA-funded projects in consultation with FDOT and transit operators**
  - **Exception: projects on the National Highway System and projects funded under the bridge and interstate maintenance programs, which are selected by FDOT in cooperation with the MPO**
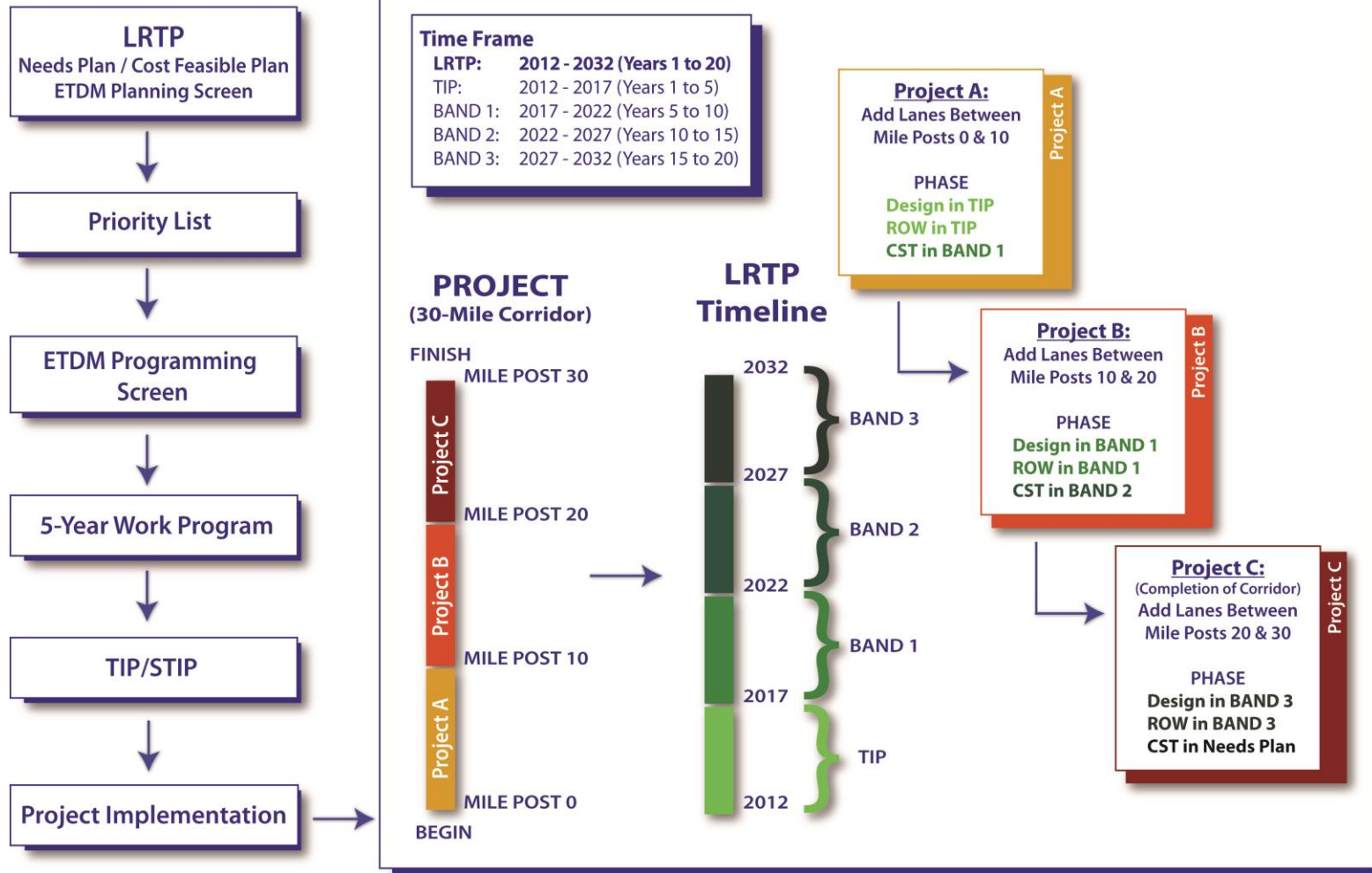
Prioritization Process
Project Selection Process

- **Non-TMA MPO Areas (population ≤ 200,000):**
- **State and/or public transportation operators select the projects using funds from Title 23 and Title 49, Chapter 53 in cooperation with the MPO**
  - **Exception: projects on the National Highway System and projects funded under the bridge and interstate maintenance programs, which are selected by FDOT in cooperation with the MPO**
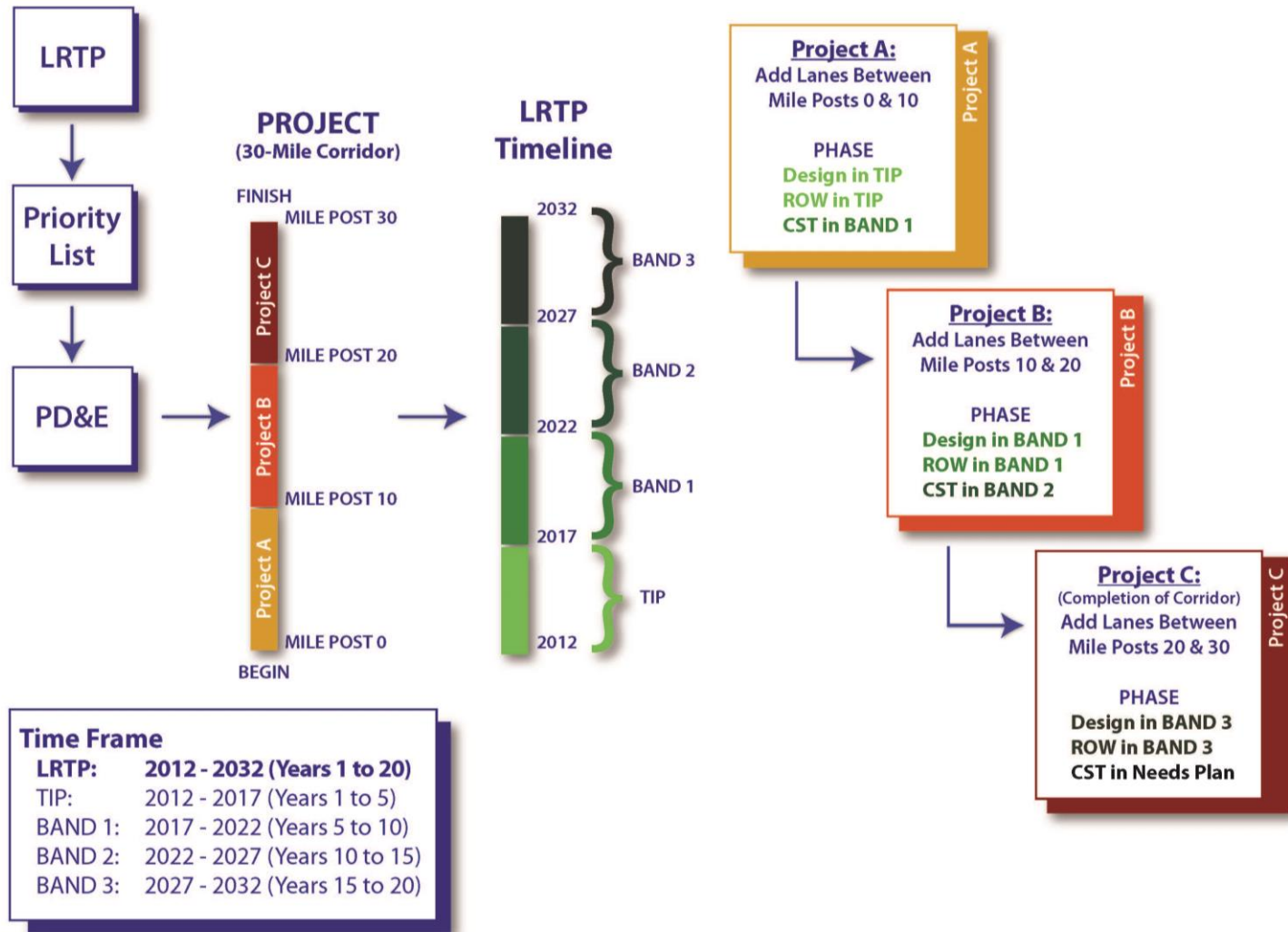
Definitions

- *Consultation* **means that one or more parties confers with other identified parties in accordance with an established process and, prior to taking action(s), considers the views of the other parties and periodically informs them about action(s) taken.**

- *Cooperation* **means that the parties involved in carrying out the transportation planning and programming processes work together to achieve a common goal or objective.**
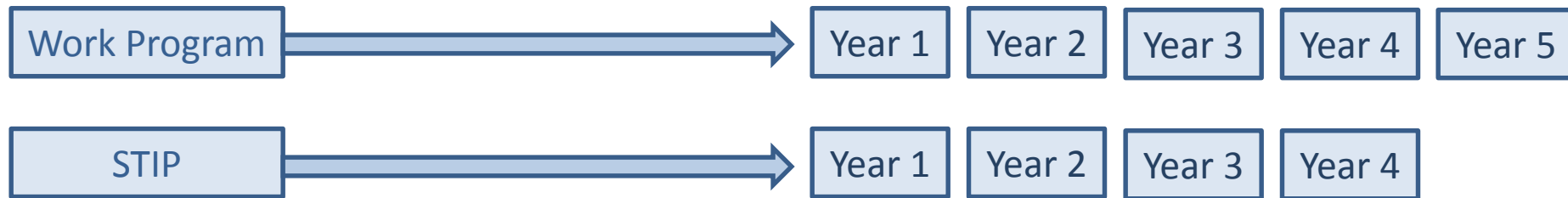
Planning Process Overview
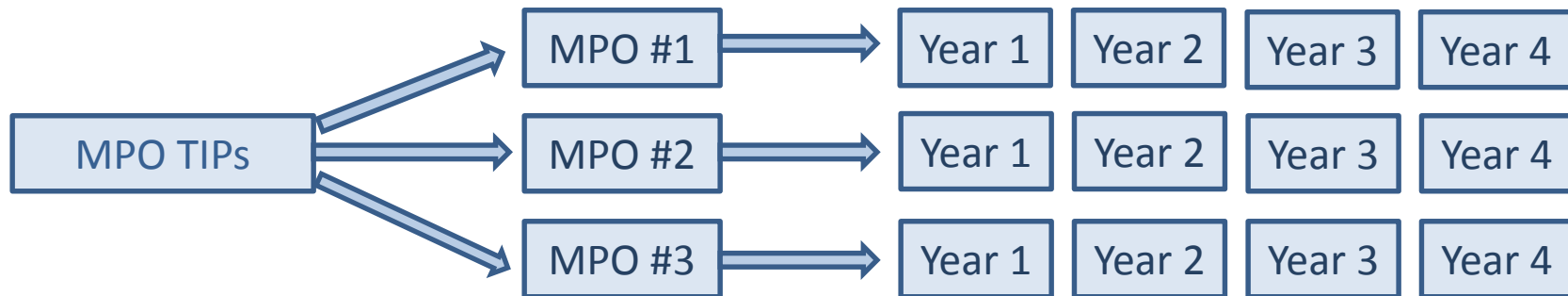
LRTP Project Implementation

LRTP

↓

Priority List

↓

PD&E

→

PROJECT
(30-Mile Corridor)

FINISH
MILE POST 30

Project C

MILE POST 20

Project B

MILE POST 10

Project A

MILE POST 0

BEGIN

→

LRTP Timeline

2032 — BAND 3

2027 — BAND 2

2022 — BAND 1

2017 — TIP

2012

Project A:
Add Lanes Between
Mile Posts 0 & 10

PHASE
Design in TIP
ROW in TIP
CST in BAND 1

↓

Project B:
Add Lanes Between
Mile Posts 10 & 20

PHASE
Design in BAND 1
ROW in BAND 1
CST in BAND 2

↓

Project C:
(Completion of Corridor)
Add Lanes Between
Mile Posts 20 & 30

PHASE
Design in BAND 3
ROW in BAND 3
CST in Needs Plan

Time Frame

LRTP:	**2012 - 2032**	**(Years 1 to 20)**
TIP:	2012 - 2017	(Years 1 to 5)
BAND 1:	2017 - 2022	(Years 5 to 10)
BAND 2:	2022 - 2027	(Years 10 to 15)
BAND 3:	2027 - 2032	(Years 15 to 20)

Relationship of Work Program, STIP and MPO TIPs

The four year STIP is a subset of the Five Year Work Program

| Work Program | → | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |

| STIP | → | Year 1 | Year 2 | Year 3 | Year 4 |

The MPO TIPs are all subsets of the STIP for each urban area

MPO TIPs →
- MPO #1 → Year 1 | Year 2 | Year 3 | Year 4
- MPO #2 → Year 1 | Year 2 | Year 3 | Year 4
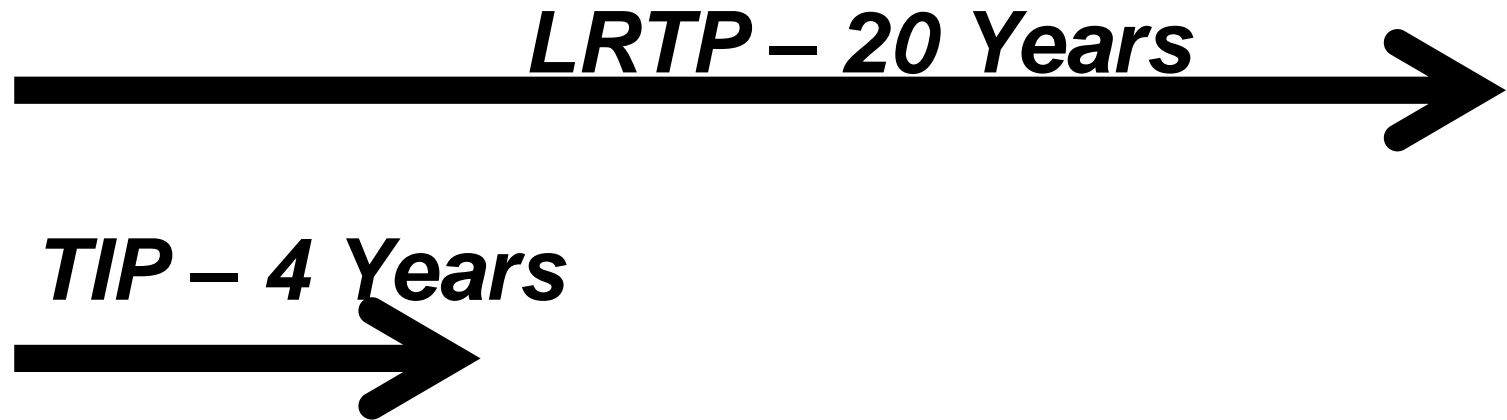- MPO #3 → Year 1 | Year 2 | Year 3 | Year 4

All these reports are extracting _project details from the same WPA database_ for all state and federally funded projects
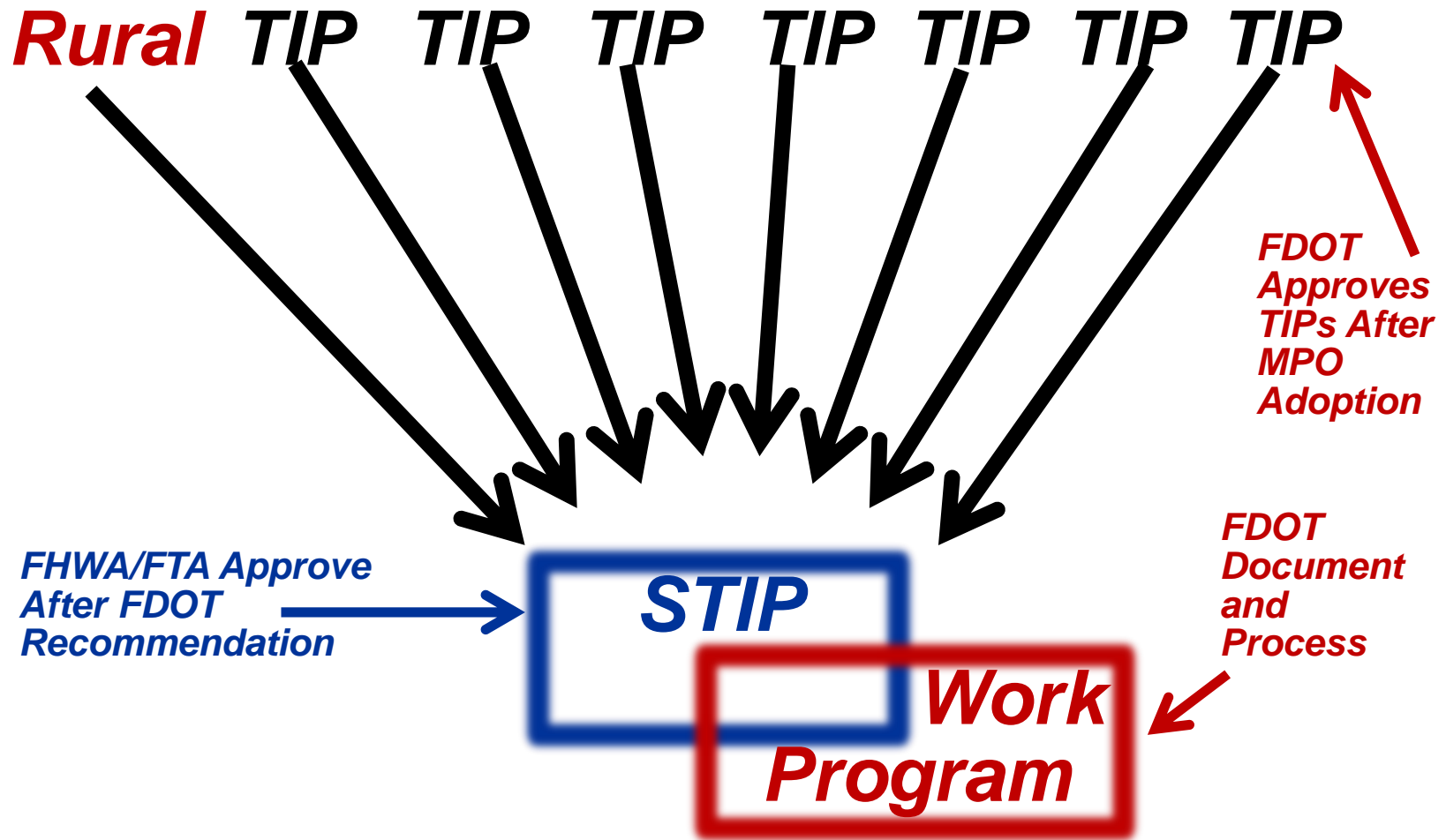
Statewide Planning Process

FTP – 20+ Years

STIP – 4 Years

A project must be consistent with the FTP prior to including in the STIP.

Metropolitan Planning Process

LRTP – 20 Years

TIP – 4 Years

A project must be consistent with the LRTP prior to including in the TIP.

Statewide Planning Process

Rural TIP TIP TIP TIP TIP TIP TIP

FDOT Approves TIPs After MPO Adoption

STIP

FHWA/FTA Approve After FDOT Recommendation

Work Program

FDOT Document and Process

Acceptable Project Funding Scenarios for FHWA NEPA Approval

◆ <u>Project Scenario 1:</u> **In order for FHWA to sign a NEPA document, the ideal scenario for project implementation is full funding of Design (usually shown as PE), ROW, and CST for the entire project limits in the LRTP CFP.**

Project Scenario 1
PE
ROW
CONSTRUCTION

In LRTP CFP	Not in LRTP CFP

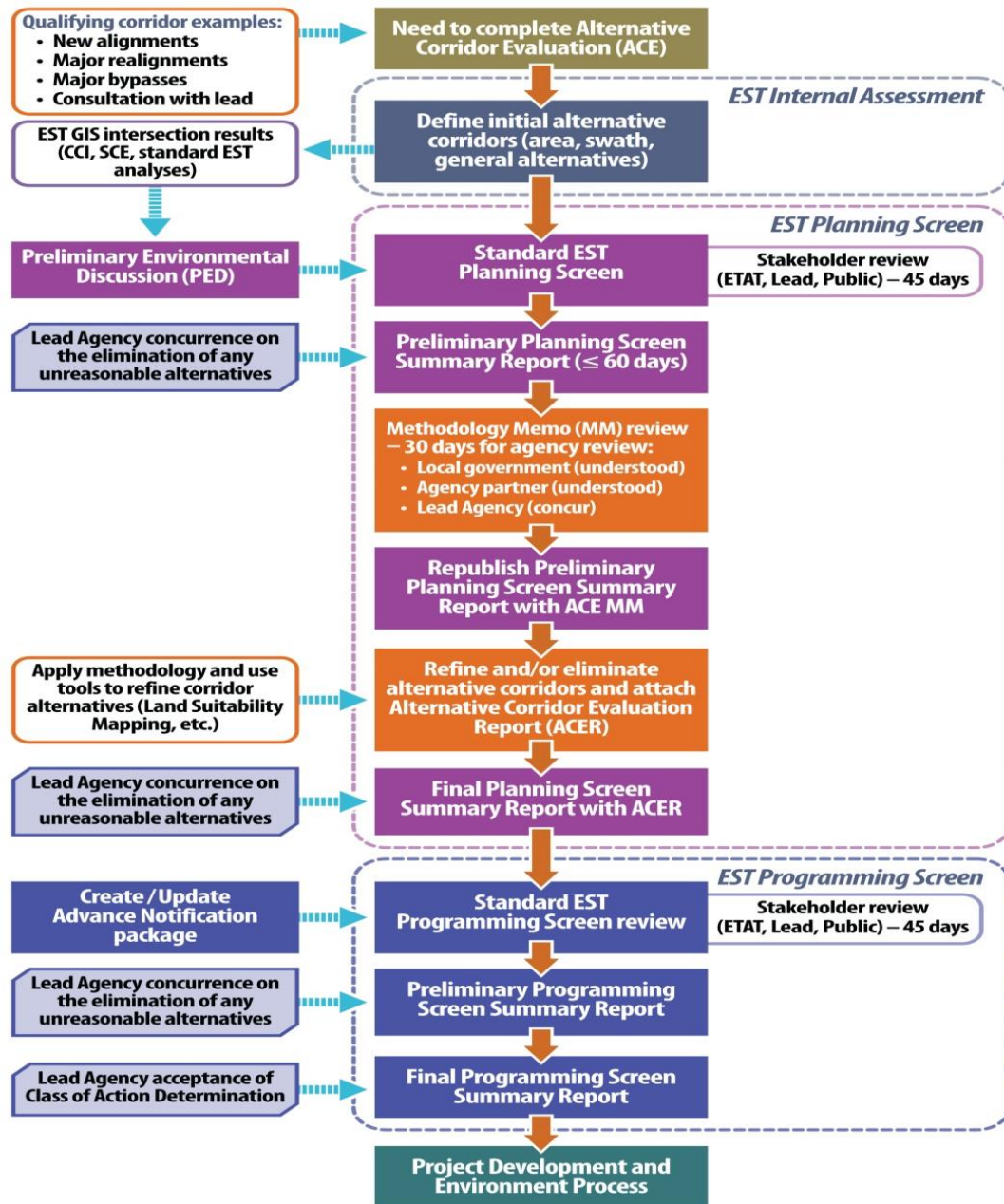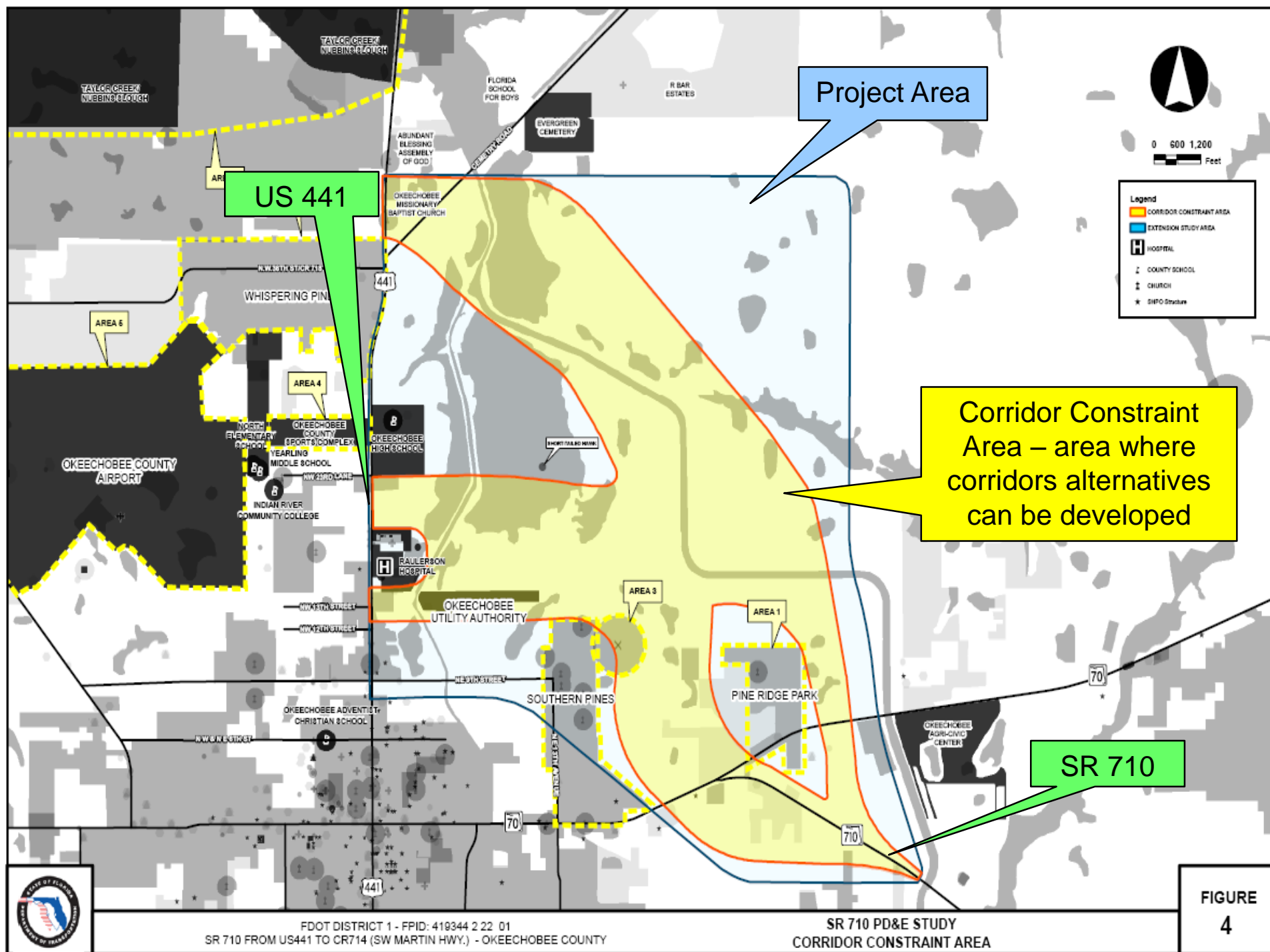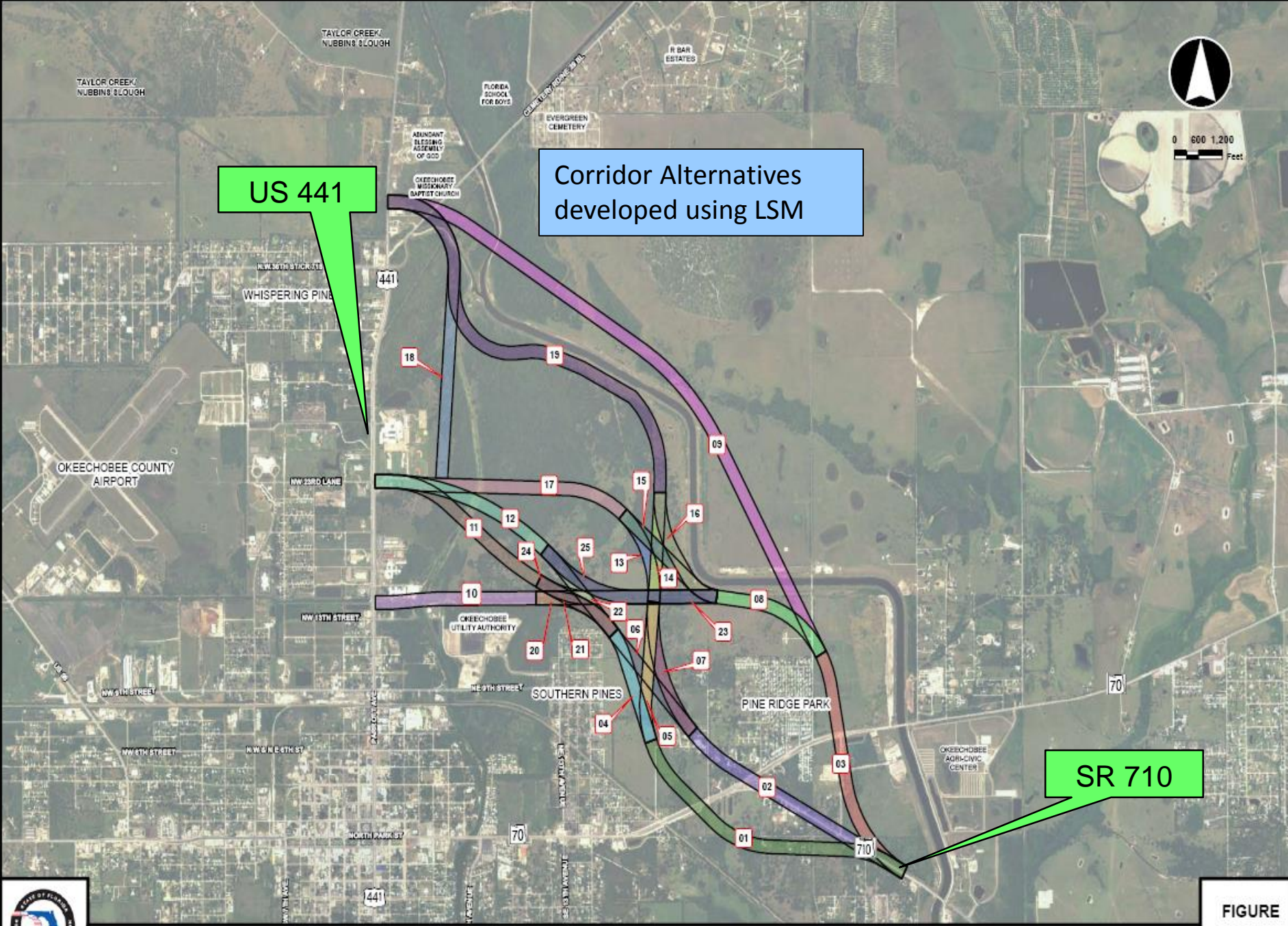*Note: PE means Design*

Summary of Takeaways

◆ **Maintain an open dialogue to foster a multi-disciplinary approach in planning and project development**

◆ **Familiarize yourself with the NEPA document and compare to project info in the LRTP (e.g., scope and description, estimated cost and phase timing, public involvement comments, etc.). Does the NEPA document reflect the same information?**

◆ **Time passes. Things change. Continue to coordinate and update the documents.**
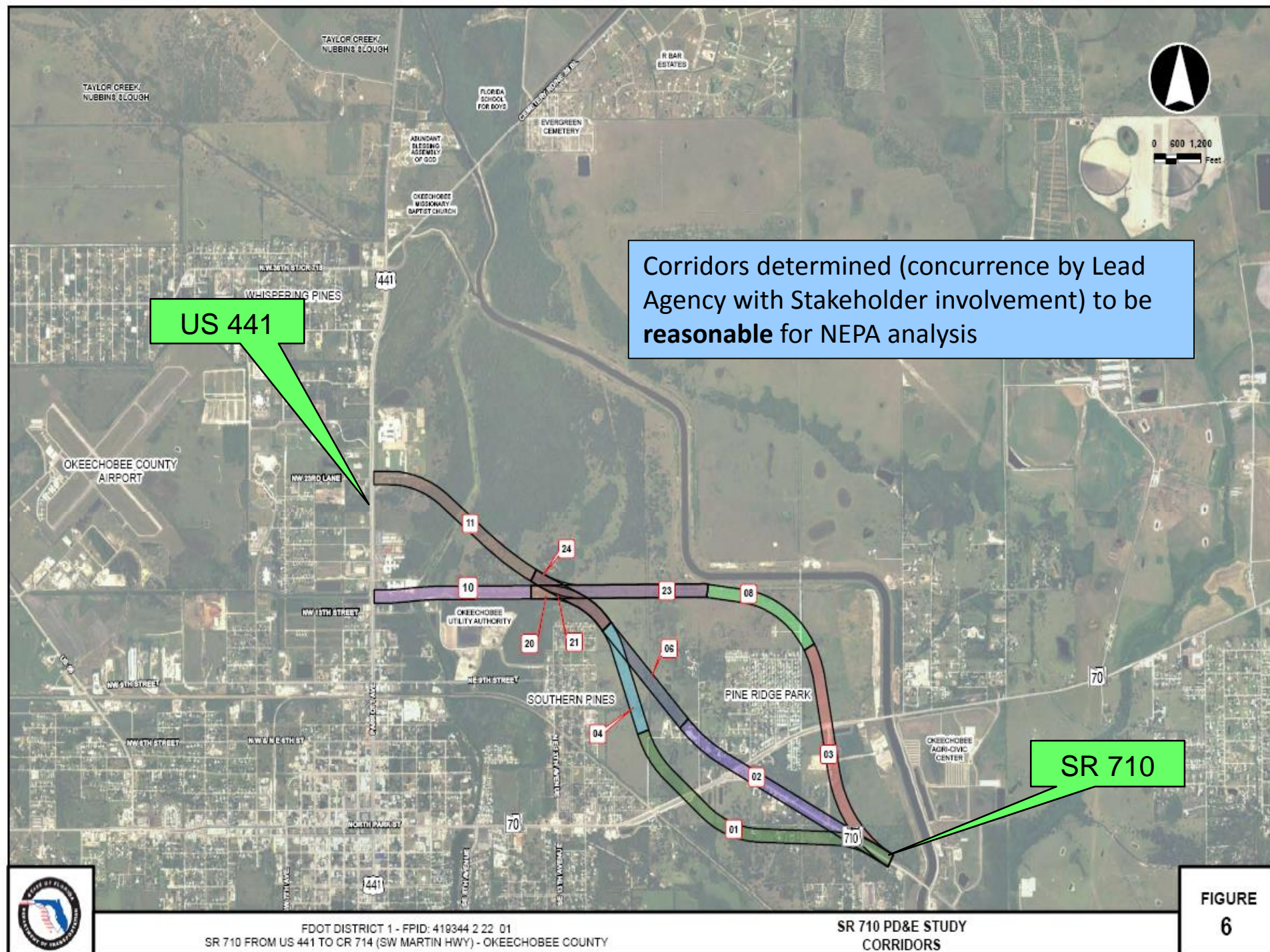
ACE Process

FIGURE 4

SR 710 PD&E STUDY
CORRIDOR CONSTRAINT AREA

FDOT DISTRICT 1 - FPID: 419344 2 22 01
SR 710 FROM US441 TO CR714 (SW MARTIN HWY.) - OKEECHOBEE COUNTY

Corridor Alternatives developed using LSM

US 441

SR 710

FIGURE 5

FDOT DISTRICT 1 - FPID: 419344 2 22 01
SR 710 FROM SW MARTIN HWY TO US 441 - OKEECHOBEE COUNTY

SR 710 PD&E STUDY
SEGMENT 1 - 300ft CORRIDOR ALTERNATIVES

Methodology Memorandum
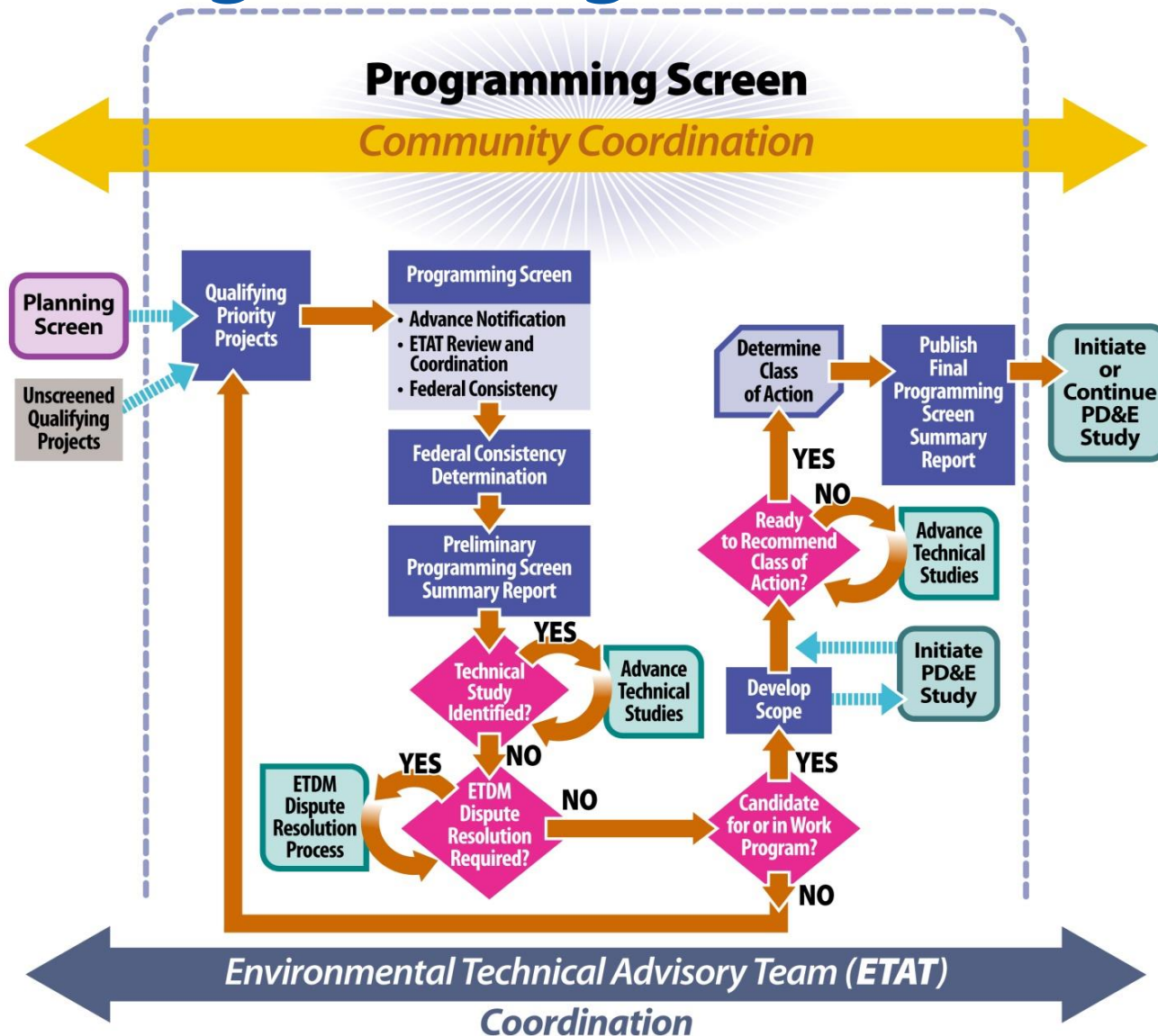
- Background

  1. Contact personnel
  2. Basic project information
     a. Include any previous planning studies or relevant information
     b. Include any known issues of concern
  3. Brief description
  4. Brief Purpose and Need of the project

- Describe the goals and objectives of the ACE

  1. Provide the status in project delivery
  2. Define the intent of the study
  3. Identify the decision points/milestones

- Describe the methods that will be used to analyze the alternatives and make decisions

  1. Describe alternative corridors
  2. Describe screening criteria
  3. Briefly describe the data that will be used and how it will support the decision making process going forward
  4. Describe the rationale that will be used to eliminate alternatives
  5. Describe the data tools that will be used in the analysis **[i.e., EST, Land Suitability Mapping (LSM), Quantum, etc.]**

- A brief description of stakeholder involvement

US 441

SR 710

Corridors determined (concurrence by Lead Agency with Stakeholder involvement) to be **reasonable** for NEPA analysis

FDOT DISTRICT 1 - FPID: 419344 2 22 01
SR 710 FROM US 441 TO CR 714 (SW MARTIN HWY) - OKEECHOBEE COUNTY

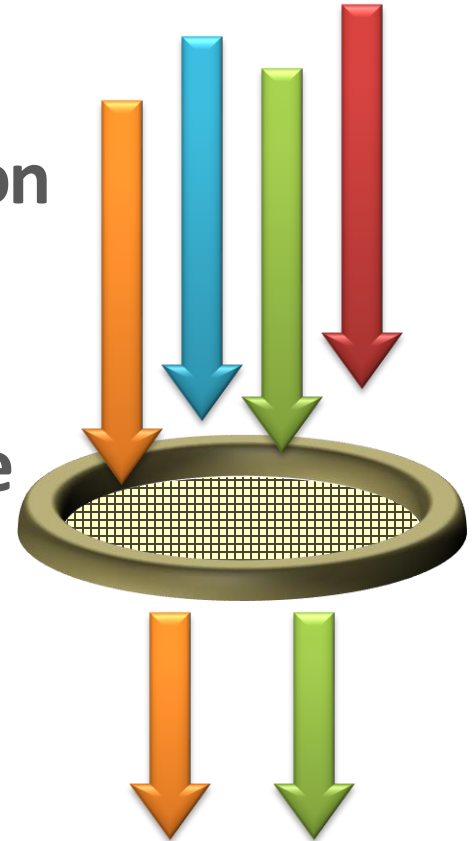SR 710 PD&E STUDY
CORRIDORS

FIGURE
6

Results of ACE

- ◆ **Continuous coordination with Lead Agency including concurrence at decision points**
- ◆ **Documented involvement of stakeholders in decision-making**
- ◆ **Uses existing and new vetted technologies**
- ◆ **Flexibility in its application**
- ◆ **Information all in one place, products available for future phases**
- ◆ **Define Purpose and Need**
- ◆ **Define affected environment**
- ◆ **Identify reasonable alternatives for NEPA Analysis**

ETDM Programming Screen

What is the purpose of this screening?

- ◆ **Support Advance Notification process**
- ◆ **Identify potential avoidance, minimization and mitigation opportunities**
- ◆ **Fill data blanks**
- ◆ **Support development of the PD&E scope**
- ◆ **Highlight critical path issues**
- ◆ **Provide considerations for class of action determination**
- ◆ **Identify potential permits and technical studies**

What decisions are we hoping to make?

- ◆ **Acceptance of purpose and need**

- ◆ **Development and refinement of reasonable alternatives**

- ◆ **Elimination of unreasonable alternatives**

- ◆ **Environmental Document Class of Action**

- ◆ **Lead, Cooperating, and Participating Agencies**

APPROVED

What do we need from the ETAT?

Detailed, actionable comments

- You're helping to build a project scope of service
  - What do we need to do? Be specific
- You're helping us identify the range of reasonable alternatives.
  - Providing specific details about each presented alternative help with this process.
- Tell us where NOT to place the improvements
- Fatal flaw analysis
- Tell us about any plans for your resources

What information do we need?

- **Help us minimize and avoid impacts**

- **Identify potential mitigation opportunities**

- **Provide information <u>not</u> in the Tool**
  - **Agency-specific data**
    - **Co-workers and other agency staff**
    - **Historic files not in a database**
  - **Personal knowledge**
  - **Site visits**
- **Questions?**

Results of Programming & ACE

- ◆ **Documented Lead Agency concurrence at decision points**
- ◆ **Documented involvement of stakeholders in decision-making**
- ◆ **Information all in one place, products available for future phases**
- ◆ **Define Purpose and Need**
- ◆ **Define affected environment**
- ◆ **Identify reasonable alternatives for NEPA Analysis**

Advancing from Programming to PD&E

- **Programming screen for scoping**
- **Planning decisions pulled forward (ACER)**
- **Advance studies when possible**
- **Programming should help describe "affected environment"**
- **Initiates coordination**
- **Sets the stage for PD&E study**

For More Information

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References :

- ◆ **FDOT PD&E Manual**
  - *Available at:*

  http://www.dot.state.fl.us/emo/pubs/pdeman/pdeman1.shtm

- ◆ **FDOT ETDM Manual**
  - *Available at:*

  http://www.dot.state.fl.us/emo/pubs/etdm/etdmmanual.shtm

Questions?